

## 中国兔儿风属(菊科)资料

程 用 谦

(中国科学院华南植物研究所, 广州 510650)

### MATERIALS FOR CHINESE *AINSLIAEA* (COMPOSITAE)

TSENG YUNG-CHIEN

(South China Institute of Botany, Academia Sinica, Guangzhou 510650)

**Abstract** The genus, *Ainsliaea* DC. from China is revised in this paper. Three species, *A. nana* Y. C. Tseng, *A. pingbianensis* Y. G. Tseng and *A. trinervis* Y. C. Tseng, are newly described; two species, *A. chapaensis* Merr. and *A. angustifolia* Hook. f. et Thoms. ex C. B. Clarke are new records for China and two new combinations, *A. apteroides* (Chang) Y. C. Tseng and *A. macrocephala* (Mattf.) Y. C. Tseng, are made. In addition, one species, *A. hypoleuca* Diels ex Limpr. and four varieties, *A. bonatii* Beauverd var. *arachnoidea* Beauverd, *A. pteropoda* DC. var. *leiophylla* Franch., *A. elegans* Hemsl. var. *tomentosa* Mattf. and *A. glabra* Hemsl. var. *tenuiculis* (Mattf.) Chang, are reduced to synonyms.

**Key words** *Ainsliaea*; *A. nana*; *A. pingbianensis*; *A. trinervis*; *A. chapaensis*; *A. angustifolia*.

**关键词** 兔儿风属; 小叶兔儿风; 屏边兔儿风; 三脉兔儿风; 边地兔儿风; 狭叶兔儿风。

#### 心叶兔儿风

*Ainsliaea bonatii* Beauverd in Bull. Soc. Bot. Genève ser. 2, 1:377, fig. 3, 1909 (incl. var. *glabra*); S. Y. Hu in Quart. Journ. Taiwan Mus. 18:94, 1965, p. p.; Icon. Corm. Sin. 4:661, f. 6735, 1975. — *A. bonatii* Beauverd var. *arachnoidea* Beauverd op. cit. 338, 1909, syn. nov.

本种之原变种即 var. *glabra* Beauverd. 另一变种 var. *arachnoidea* Beauverd (模式标本采自昆明)应予归并。理由在于叶和总苞并不是有毛与无毛迥然有别, 而是毛多、毛少或极少的不同而已, 真正无毛的类型尚未见过。很显然, 毛被是随植株的发育而逐渐脱落, 它不能作为划分变种的依据。

云南: Ducloux 253, A. Henry 9955, 王启无、刘瑛 84467, 毛品—1496, 刘倩心 51371、51362, 刘慎谔 17763、22041、21962, 张英伯 694、783、338。贵州: 赫章,

禹平华 1307. 分布: 云南中部及东南部, 贵州西部和中部。

### 狭翅兔儿风

*Ainsliaea apteroides* (Chang) Y. C. Tseng, stat. nov. — *A. pteropoda* DC. var. *apteroides* Chang in *Sinensia* 4: 227. 1934; S. Y. Hu in *Quart. Journ. Taiwan Mus.* 18: 99. 1965.

云南: 蒙自, 蔡希陶 52341; 砚山, 王啟无 84175, 蔡希陶 51454; 路南, 侯宽昭 74327; 弥勒, A. Henryi 9907A. 分布: 仅见于云南东南部。

本种的叶很薄, 膜质, 基部心形, 非缢缩而下延; 叶柄的翅很狭, 不明显, 两侧宽各为 0.5—1mm; 总苞片约 7 层, 顶端均不带红紫色。这些性状与原种差异很大, 应列为独立的种较妥。

### 边地兔儿风

*Ainsliaea chapaensis* Merr. in *Journ. Arn. Arb.* 21: 387. 1940.

广西: 钦州防城, 中国科学院合浦植物调查队 2509; 恭城, 辛树帜 23326. 海南: 定安, 黄志 35545. 分布: 原产越南北部, 我国分布新记录。

### 宽叶兔儿风

*Ainsliaea latifolia* (D. Don) Sch. -Bip. in *Pollichia* 18—19: 169. 1861; Kitamura in *Acta Phytotax. Geobot.* 19: 14. 1966. p.p. et in *Fl. E. Himal.* 330. 1966. p.p.; Lauen, in *Nat. Bot. Gard. Edinb.* 34(3): 384. 1976; Koyama in *Acta Phytotax. Geobot.* 32: 59. 1981. p.p. — *Liatris latifolia* D. Don *Prodr. Fl. Nepal.* 169. 1825. — *Perdicium triflorum* Buch.-Ham ex D. Don, lc. — *Ainsliaea pteropoda* DC. *prodr.* 7: 14. 1838; C.B. Clarke, *Comp. Ind.* 246. 1876; Hook. f. *Fl. Brit. Ind.* 3: 388. 1881; Forb. et Hemsl. in *Journ. Linn. Soc. Bot.* 23: 471. 1888; Franch. in *Morot, Journ. de Bot.* 2: 69. 1888; Gagnep. in *Lecomte, Fl. Gén. Indo-Chine* 3: 663. 1924. p.p.; Hand.-Mazz. *Symb. Sin.* 7: 1125. 1936; S. Y. Hu in *Quart. Journ. Taiwan Mus.* 18: 9. 1965. — *A. triflora* (Buch.-Ham. ex D. Don) Durne in *Rep. Bot. Exch. Club. Brit. Isles.* 4: 603. 1916; Hand.-Mazz. in *Acta Hort. Gotob.* 12: 347. 1938; S. Y. Hu in *Quart. Journ. Taiwan Mus.* 18: 100. 1965; *Icon. Corm. Sin.* 4: 662. f. 6734. 1975. — *A. hypoleuca* Diels ex Limpr. in *Fedde Repert. Sp. Nov. Beih.* 12: 415. 1922; Mattf. in *Acta Hort. Götob.* 8: 81. 1933; Hand.-Mazz. *Symb. Sin.* 7: 1175. 1936. syn. nov.

云南: 刘慎谔 17589、17993, 毛品一 131, 蒋英 11999, 侯宽昭 74248, 蔡希陶 56742、65713, 王啟无 83962、62875、84037、81255, 俞德浚 11098、8257, 冯国楣 3659、13215, 邱炳云 54467、53116, 陈介 956. 四川: 李馨 76965, 管中天 8063, 曲桂龄 2564, 武素功 100, 胡文光 12148, 方文培 13527. 贵州: 邓世伟 216. 广西: 张肇騫 11043. 分布: 我国西藏、云南、四川、贵州、广西及海南。印度、尼泊尔、泰国及越南也有。

*A. hypoleuca* Diels ex Limpr. 的模式标本采自四川灌县, 从其原始记载和在四川各地所采得的标本来分析, 一切性状均与本种无异, 现予以归并。

## 大头兔儿风

*Ainsliaea macrocephala* (Mattf.) Y. C. Tseng, stat. nov. — *A. pteropoda* DC. var. *macrocephala* Mattf. in Notizbl. Bot. Gart. Berlin 11:107. 1931, et in Acta Hort. Götab. 8:80. 1933. — *A. mairei* auct. non Lévl. Hand.-Mazz. in Acta Hort. Götab. 12:347. 1938. p. p. (quoad syn.); S. Y. Hu in Quart. Journ. Taiwan Mus. 18:98. 1965. p. p. (quoad syn. et Specim. C. Schneider 2238. J. F. Rock. 5628. 5773. G. Forrest 2939, 6545. H. Hand.-Mazz. 5683.).

云南: 中甸, 冯国楣2626, 中甸队2009; 1504; 丽江, 王啟无71407, 俞德浚15570, 冯国楣22631、22447, 秦仁昌31036、30596、21393。四川: 木里, 俞德浚2681、14497、14492, 武素功2442, 赵清盛等8268、8136; 盐源, 张清龙2920、151。分布: 云南北部, 四川首次记录。

## 云南兔儿风

*Ainsliaea yunnanensis* Franch. in Morot. Journ. de Bot. 2:70. 1888; Forb. et Hemsl. in Journ. Linn. Soc. Bot. 23:472. 1888; Beauverd in Bull. Soc. Bot. Genève ser. 2, 1:380. 1909; Mattf. in Acta Hort. Götab. 8:80. 1933; Hand.-Mazz. Symb. Sin. 7:1175. 1936, et in Acta Hort. Götab. 12:347. 1938; S. Y. Hu in Quart. Journ. Taiwan Mus. 18:102. 1965; Icon. Corm. Sin. 4:662. f. 6738. 1975; Lauen. in Not. Bot. Gard. Edinb. 34(3):386. 1976. — *A. pteropoda* DC. var. *leiophylla* Franch. in Morot. Journ. de Bot. 2:69. 1888. syn. nov.

云南: 大理, 王汉臣4077, 秦仁昌25129; 景东, 李鸣岗2457; 禄劝, 张英伯283; 寻甸, 张英伯966; 昆明, 侯宽昭74236, 辛景三50600; 澄江, 梁宝汉83939; 砚山, 王啟无83622, 无详地点, 刘慎谔14323、14322、13004、16754, E. E. Maire 605, 2525。贵州: 盘县, 侯学煜2544。四川: 盐源, 张清龙63-006; 无详细地点, 方文培6829、6849、9519。分布: 云南、贵州和四川。

*A. pteropoda* DC. var. *leiophylla* Franch. 如果仅从其原始记载来分析, 确实与狭叶兔儿风 *A. angustifolia* Hook. f. et Thoms. ex C. B. Clarke 的性状没有什么区别。但是该变种的模式标本与本种的模式标本是同号标本(Delavay n. 608), 因此该变种理所当然为本种的同物异名。

## 秀丽兔儿风

*Ainsliaea elegans* Hemsl. in Hook. Ic. Pl. 28: t. 2747. 1902; Smith in Journ. Linn. Soc. Bot. 36:453. 1904; Beauverd in Bull. Soc. Bot. Genève ser. 2, 1:379. 1909; Icon. Corm. Sin. 4:660. f. 6733. 1975. — *Pertya esquirolii* Lévl. in Bull. Acad. Internat. Geogr. Bot. 24:215. 1914. — *A. elegans* Hemsl. var. *tomentosa* Mattf. in Notizbl. Bot. Gart. Berlin 11:107. 1931; S. Y. Hu in Quart. Journ. Taiwan Mus. 18:95. 1965; Lauen. in Not. Bot. Gard. Edinb. 34(3):384. 1976. syn. nov.

云南: 蒙自, A. Henry 9108; 麻栗坡, 王啟无、刘瑛 83945; 西畴, 简焯坡 790, 同地, 王啟无、刘瑛 81353; 广南, 王啟无、刘瑛 87773。分布: 云南东南部和贵州西南部。

*A. elegans* Hemsl. var. *tomentosa* Mattf. 其原始记载所描述的特征, 即为本种的特征, 不能成立, 应予归并。

### 小兔儿风 新种

*Ainsliaea nana* Y. C. Tseng, sp. nov.

Herba perennis. Rhizoma suffruticosum, vel crassum et breve vel gracile et longum, 1 — 3mm diam. ad collum dense fulvo-lanuginosum, radicibus sparsis gracilibus fibrosis. Caulis erectus, singulus vel interdum binatus, saepiuscule efoliatus, scapiformis, valde gracilis filiformis, praeter inflorescentiam ramulosam non ramosus, 11 — 18cm altus, c. 0.3mm diam. Folia radicalia rosulata, chartacea, ovata, 7 — 16mm longa 5 — 10mm lata, apice obtusa vel aristata, basi leviter cordata, margine remote calloso-denticulata, revoluta, supra viridia, disperse breviter strigosa, subtus rubra, plus minusve villosa, a basi trinervia, rete venularum utrinque inconspicuo; petioli 10 — 23mm longi, pilosi, apteri, basi leviter dilatati. Capitula pauca, sparsa, triflora, ad apicem caulis in paniculam patentem disposita, pedunculis 5 — 15mm longis, rhachidi inflorescentiae glabra. Involucra cylindrica c. 3mm diam., bracteis 5-seriatis, dorso vel apice plus minusve rubris, glabris, exterioribus ovatis vel longe ovatis, 1 — 3.5mm longis 0.8 — 1mm latis, apice obtusis, interioribus lanceolatis vel anguste oblongis, c. 7mm longis 0.7 — 0.9mm diam. apice leviter acuminatis. Flosculi omnino hermaphroditi; corollae tubulares, c. 9mm longae, 5-lobatae, lobis unilateralibus, oblongis, 4 — 5mm longis; antherae c. 7mm longae, apice rotundatae, basi sagittatae, caudis acuminatis, c. 1mm longis; styli rami breviores apice rotundati, c. 1mm longi. Achinia claviformia 10-striata, glabra, c. 4mm longa. Pappi setae plumosae, in sicco flavae, c. 4mm longae.

Species similis *A. tenuicauli* Mattf., a qua caulibus valde gracilibus filiformibus c. 0.3mm diam., foliis minoribus, ovatis, 7 — 16mm longis 5 — 10mm latis, basi leviter cordatis differt.

Sichuan (四川): Mt. Emei (峨眉山), alt. 2400m, 1957.10.03. Yang Guanghui (杨光辉) 57464, 57474; ibid. loc. He Xian-yu (贺贤育) 6356. Anxian (安县), Hu Wen-Kwang (胡文光) 13377. Tianquan (天全), 1948.08.27. Wu Chung-luen (吴中伦) 12307 (Typus, JSBI).

### 屏边兔儿风 新种

*Ainsliaea pingbianensis* Y. C. Tseng, sp. nov.

Herba perennis. Rhizoma crassum 6 — 8mm diam. ad collum dense brunneo-lanuginosum, radicibus fasciculatis, in sicco atro-brunneis, 7 — 16cm longis. Caulis erectus, singulus, praeter inflorescentiam ramulosam non ramosus,

30 — 50cm altus, c. 2mm diam., villosus. Folia radicalia rosulata, chartacea, oblonga vel late lanceolata, 8 — 12cm longa 3 — 6cm lata, apice acuta, basi rotundata, margine laxe callosodenticulata et dense curvi-ciliata, utrinque villosa, penninervis, nervis lateralibus 2 — 3 jugatis venulis gracilibus anastomosantibus conspicuis; petioli apteri, 4 — 5cm longi, dense fulvi-villosi; folia caulina pauca, 1 vel. 2 — 3, ovato-lanceolata, 1 — 2.5cm longa 6 — 15mm lata, apice obtusa vel aristata, basi obtusa vel late cuneata, brevipetiolata. Capitula sparsa, triflora, pedunculata 8 — 10mm diam., ad apicem caulis in paniculam 10 — 15cm longam disposita, rhachidi inflorescentiae et pedunculis dense pubescentibus. Involucra cylindrica, 3 — 4mm diam., bracteis c. 5-seriatis, dorso plus minusve pilosis, exterioribus ovatis, 1 — 2.5mm longis 0.9 — 1.5mm latis, apice acutis, dorso 5-striatis, interioribus ovato-lanceolatis vel anguste ellipticis, 7 — 10mm longis 1 — 2.2mm latis, apice acuminatis, scarioso-marginatis. Flosculi omnino hermaphroditi; corollae tubulares, c. 9mm longae, 5-lobatae, lobis unilateralibus, oblongis c. 4mm longis 0.5mm latis; antherae c. 7mm longae, apice subrotundatae, basi sagittatae, auriculis obtusis c. 1mm longis; styli rami breviores apice truncati, c. 1mm longi. Achinia immatura teretia, c. 3.6mm longa, dense fulvo-villosa. Pappi setae plumosae in sicco sordide albae c. 7mm longae.

Species similis *A. angustatae* Chang, a qua foliis radicalibus majoribus, 8 — 12cm longis 3 — 6cm latis, basi rotundatis, foliis caulinis paucis, redactis, 1 vel interdum 2 — 3, bracteis non purpureis, dorso plus minusve pilosis differt.

Yunnan (云南): Hekou (河口), alt. 1300m, 1953.08.17. Liu Wei-xin (刘伟心) 634; Malipo (麻栗坡), alt. 1600 — 1800m, 1947.12.30. Feng Kuo-mei (冯国楣) 12790; Pingbian (屏边), alt. 1780m, 1954.05.06. Mao Pin-yi (毛品一) 4186 (Typus, SCBI).

### 细茎兔儿风

*Ainsliaea tenuicaulis* Mattf. in Notizbl. Bot. Gart. Berlin 11:108. 1931. — *A. glabra* Hemsl. var. *tenuicaulis* (Mattf.) Chang in Bull. Fan Mem. Inst. Biol. 5: 319. 1934; S. Y. Hu in Quart. Journ. Taiwan Mus. 18:96. 1965. syn. nov.

湖北: 长阳, A. Henry 7599; 无详细地点, 李洪钧 3300. 湖南: 桑植, 刘林翰 17419; 石门, 刘林翰 17959. 四川: 武隆, 王文华 3616; 南川, 陈善墉 95012. 贵州: 沿河, 黔北队 2232; 无详细地点, 贵州采集队 5087; 德江, 朱太平、刘忠福 1796.

分布: 湖北、湖南、贵州和四川。

本种的叶形和脉的颜色虽然有时与光叶兔儿风 *A. glabra* Hemsl. 很相似, 但本种的茎细弱, 高 15 — 35cm, 圆锥花序较狭, 宽 3 — 5cm, 叶面被疏糙伏毛, 花冠长为冠毛的2倍, 冠檐5深裂, 花药外露, 瘦果密被白色长柔毛而截然不同。尤其是本种具基生的莲座状叶丛, 光叶兔儿风则无。按照 G. Beauverd 的概念, 光叶兔儿风属聚生

叶组 Sect. *Aggregatae*, 而本种则属于花葶组 Sect. *Scaposae*, 很明显, 由于二者分别隶属于不同的组, 那么本种列为独立的种是毋庸置疑的。

### 狭叶兔儿风

*Ainsliaea angustifolia* Hook. f. et Thoms. ex C. B. Clarke in Journ. Linn. Soc. Bot. 14:421. 1875, et Comp Ind. 274. 1876; Hook. f. Fl. Brit. Ind. 3:388. 1881; Beauverd in Bull. Soc. Bot. Genève ser. 2, 1:178. 1909. — *A. tonkinensis* Merr. in Univ. Calif. Publ. Bot. 13:142. 1926. syn. nov.

西藏: 波密, 应俊生、洪德元 1237。云南: 德钦, 冯国楣 23988、23737, 王啟无 69123、64717; 贡山, 冯国楣 24553、24636; 双柏, 蔡希陶 54246、56574、54779、56633, 禄春, 陶德定 778; 广南, 王啟无、刘瑛 8769。

分布: 印度东北部和越南北部, 我国分布新记录。

### 三脉兔儿风 新种

*Ainsliaea trinervis* Y. C. Tseng. sp. nov.

Herba perennis. Rhizoma cylindricum 4 — 5mm diam. ad collum fulvo-lanuginosum, radicibus numerosis, fasciculatis, c. 20cm longis. Caulis erectus, 30 — 60cm altus c. 2 — 4mm diam. interdum pilosus. Folia ad medium caulis rosulatum congesta vel paucum dispersa, chartacea, anguste elliptica vel lanceolata, 5 — 9.5cm longa 5 — 13mm lata, apice longe acuminata, mucronata, basi attenuata, leviter decurrentia margine revoluta, utroque 6 — 8 ciliato-aristata, nervis 3, omnino e basi nascentibus, non reticulatis; petioli pilosi, 1 — 1.5cm longi. Capitula triflora, pedunculata, ad apicem caulis in paniculam disposita, pedunculis pubescentibus. Involucra cylindrica 2 — 3mm diam., bracteis c. 7-seriatis, omnino glabris, dorso striolatis, exterioribus ovatis. 1 — 3mm longis 0.8 — 1.3mm latis, apice obtusis, interioribus ovato-lanceolatis vel anguste ellipticis, 5 — 12mm longis 1.5 — 2mm latis, apice leviter obtusis vel acuminatis. Flosculi omnino hermaphroditi; corollae tubulares, graciles, c. 9mm longae, 5-lobatae, lobis unilateralibus, oblongis c. 4mm longis; antherae c. 5mm longae, apice rotundatae vel truncatae, basi sagittatae, caudatae; styli rami breviores, apice rotundati c. 0.5mm longi. Achinia teretia, c. 3mm longa, dense hirsuta. Pappi setae plumosae, in sicco flavidae vel sordide flavae, c. 8mm longae.

Similis *A. walkeri* Hook. f., sed foliis anguste ellipticis vel lanceolatis, apice longe acuminatis base attenuatis, 3-nerviis, margine remote ciliato-aristatis, aristis in quoque latere 6 — 8 valde deffert.

Guizhou (贵州): Rongjiang (榕江), Exped. Qiannan (黔南采集队) 3261. Guangxi (广西): Rongshui (融水), Chen Shao-Qing (陈少卿) 16409 (Typus, SCBI), 16610, 14449; Longsheng (龙胜), Yu Shao-lin (余少林) 700527; ibid. loc. Exped. Longsheng (龙胜采集队) 50095, 50175. Guangdong (广东): Renhua, (仁化), Deng Liang (邓良) 7582.